



presentation

agenda

- Introductions
- Project Description
- Implementation
- Finance Plan
- Summary
- Q&A

Herb Morgan

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Michael Hatchell

Jim Taylor

Herb Morgan

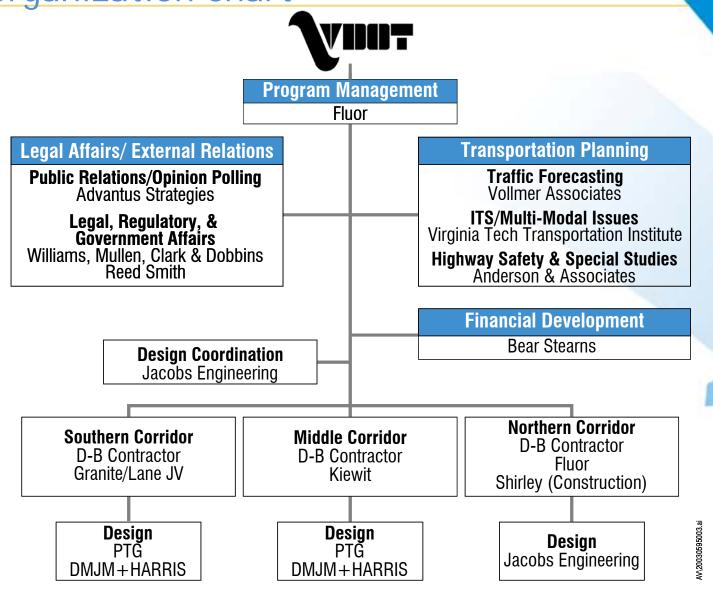
Herb Morgan

the Fluor team

- Advantus Strategies
- Anderson & Associates, Inc.
- Bear Stearns
- DMJM + HARRIS
- Granite Construction Company
- Jacobs Engineering
- Land Planning and Design Associates, Inc.
- The Lane Construction Corporation
- O.R. Colan & Associates, Inc.
- Parsons Transportation Group, Inc. of Virginia (PTG)

- Peter Kiewit Sons' Inc.
- Raytheon Corporation
- Reed Smith, LLP
- Shirley Contracting Company
- Virginia Tech Transportation Institute
- VMS, Inc.
- Vollmer Associates, LLP
- Williams, Mullen, Clark & Dobbins

organization chart



best of the

best





- Deliberate attention taken to identify the "right" team
- Assemble the most experienced, financially stable road builders in the country along with the best local designers and contractors from Virginia







contractors



- Team consists of the 3 most successful Design-Builders in North America
 - Fluor
 - Granite
 - Kiewit



- And the most experienced design-build contractors in Virginia
 - Shirley Contracting Corporation Lorton, VA
 - The Lane Construction Corporation Chantilly, VA
- Combined, perform \$20 billion in construction/year



designers



- Our local designers include:
 - Jacobs Arlington, VA
 - Parsons Transportations Group (PTG) Fairfax, VA
 - DMJM + HARRIS Richmond, VA
 - Anderson & Associates Blacksburg, VA
- Perform more than \$4 billion in design work/year
- Experienced with the I-81 corridor and VDOT procedures



maintenance



- VMS, a Richmond-based firm, is a leader in asset management in the United States
- Signed first PPTA contract in Virginia
- Currently maintaining I-81 in Salem





Fluor has assembled the best team to address the long-term challenges on I-81

the challenges on

I-81







- Safety
 - High accident rates with many fatalities
 - Accidents caused by combination of:
 - High traffic volume
 - High percentage of trucks
 - Rolling terrain
- Growing congestion
 - Volume is more than 50% of capacity
 - Volume is growing faster than population

safety solution

- Add one "car-only" lane in each direction because of demonstrated benefit
- Expand into median to minimize right-of-way and environmental impacts
- Add truck climbing lanes at 10 steep grades
- Add broadband communication system for improved traffic management
- Provide an open toll road system to eliminate stopping and starting at traditional toll booths

improvements to capacity

- Rebuild interchanges
- Rebuild majority of cross bridges
- Additional lanes in congested areas

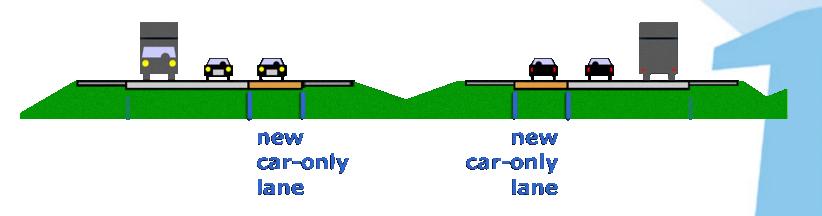


cross

sections

- Focused efforts to minimize ROW take
- Maintain scenic median along 55% of the corridor

Typical Cross Section



the problem with

truck lanes

Fluor studied truck lanes for a solution for I-81

- Economic driver behind Reason Foundation concept is heavier pavement for heavier trucks
- This requires agreement with adjacent states for long-haul benefits
- Added lanes do not fit within the median of I-81, which increases cost and impacts environment
- Since there is no cost savings for users, significant diversion likely
- Trucks and cars must be barrier separated to reduce accidents

our

conclusion

As compared to six lanes

- Two more lanes are prohibitively expensive
- Two more lanes are not well used, since they are committed to only trucks
- Two more lanes require more ROW, with huge disruption to the environment
- Not safer without concrete barriers
- Not financeable without state and federal subsidies

initiative



- Divert 500,000 trucks per year from entire I-81 corridor and facilitate future passenger rail improvements by:
 - Hauling truck trailers on rail cars
 - Removing bottleneck between Manassas and Front Royal
 - Facilitating a regional plan for long-haul freight from Louisiana to New York





truck stop and rest area

improvements

Trucks off the shoulders

Reduce emissions

Boost local economy

- 1,000 new truck parking spaces will be added to the corridor at existing truck stops
- IdleAire technology promotes use of commercial parking and provides environmental benefits
- Existing rest stops will be upgraded for the traveling public







Implementation

Michael Hatchell

relevant

experience



- A majority of the design-build projects in the United States in the last 10 years have been executed by members of this team
- The I-81 project size and complexity requires expertise of this nature



Safety, Quality, On-time, within Budget - "Best-of-the-Best"



relevant

experience

- I-15 Corridor, Salt Lake City \$1.3B
 - San Joaquin Hills Corridor \$802M

proven design-build experience

- Conway Bypass, Conway \$386M
- Pocahontas Parkway, Richmond \$330M
- E-470 Toll Road, Denver \$323M
- PPTA Route 28 Corridor Improvement \$200M
- I-25 Corridor, Denver \$1.2B
- SH-130 Toll Road, Austin \$1.2B

work plan

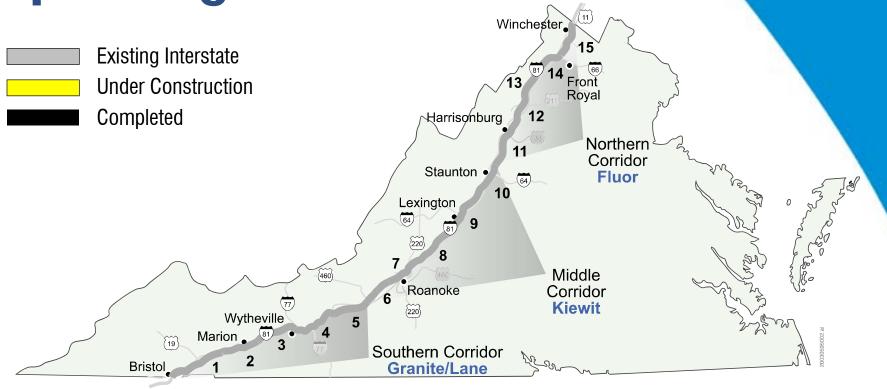




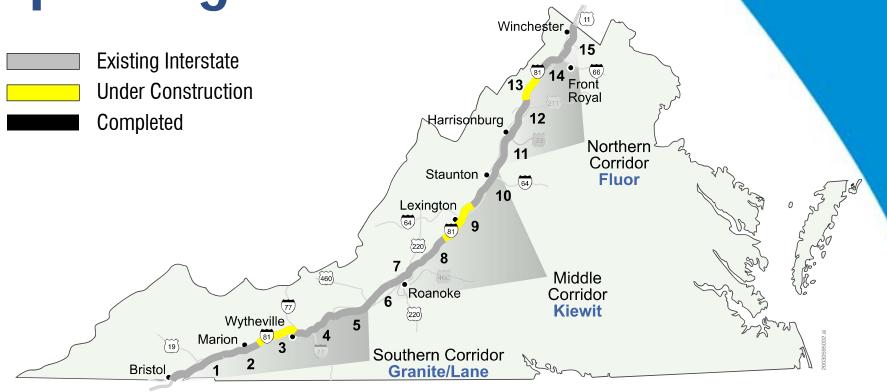


- Developed a specific approach to deliver this project
- Defined 15 20-mile segments of work with 5 segments assigned to each Design-Build Team
- Enables the construction to be contained within smaller, well planned work areas
- The approach provides:
 - Flexible construction plan
 - Control over logistics
 - Minimize disruption for public and traffic flow during construction

Enables fast-track 8-year completion



Nov	ember N	ovember	Vovember	May	October
2	2008	2009	2011	2013	2014



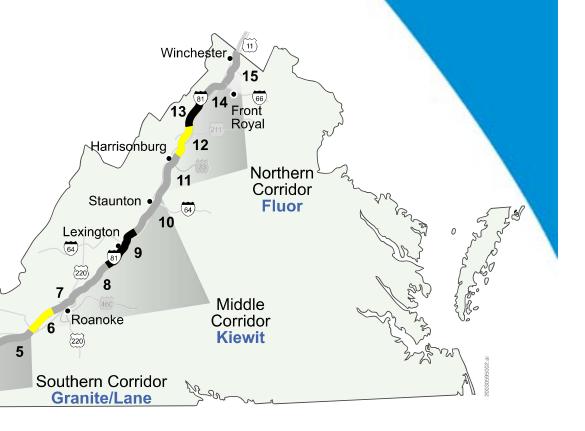
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2008	2009	2011	2013	2014



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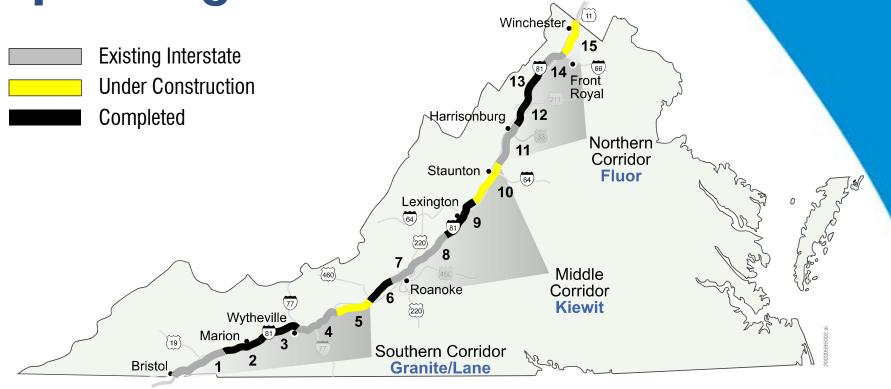
Bristol

Wytheville



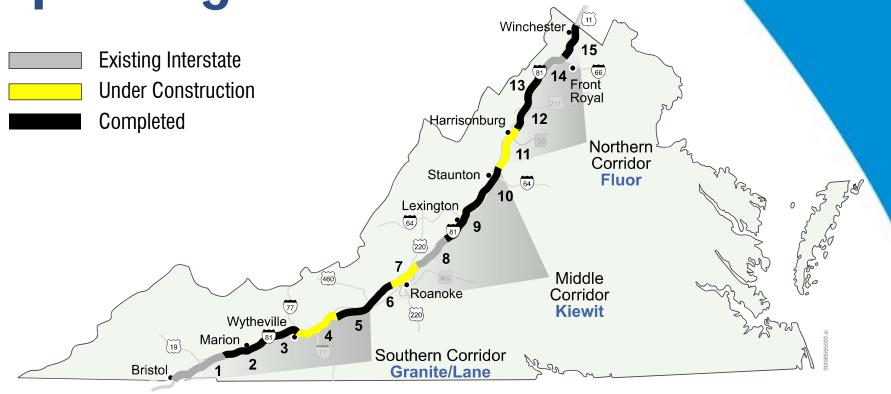
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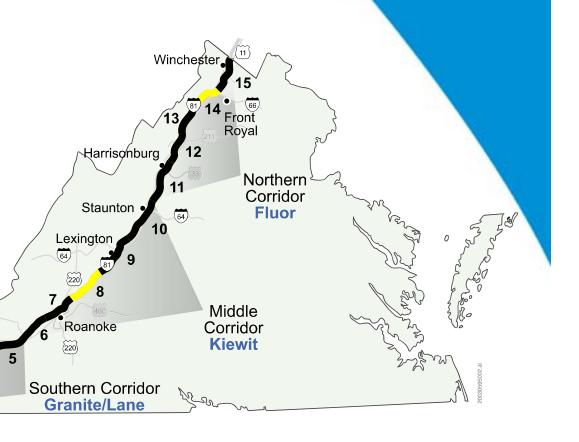
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staged openings Evicting Interestate

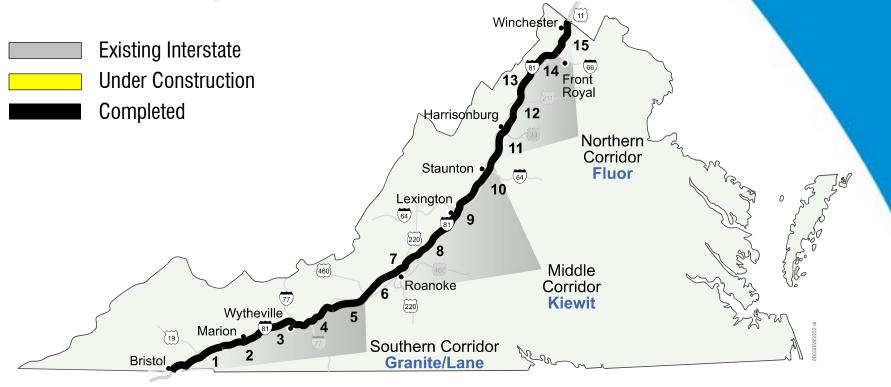


Bristol

Wytheville



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commitment to

public outreach



- Fluor believes community involvement is critical for success
- Our entire plan will continue to be open to the public
- More than 100 outreach presentations given in the corridor since January 2003



 Safe81.com website has been developed to keep community informed



 We will continue to solicit communities' input and incorporate feedback into our work plan

commitment to

public outreach

- Fluor will:
 - Continue and expand our public communications program to inform constituencies about the project, its schedule, and upcoming construction activities
 - Constituencies include:
 - Officials
 - Businesses
 - Institutions
 - Other civic leaders
 - General public



commitment to

public outreach



- Provide real-time and current updates for the community through:
 - Radio, television, newspapers
 - Variable message signs
 - www.safe81.com
 - Meetings with public and civic groups





Finance Plan

Jim Taylor

works

Consistent with PPTA Goals

- Expands resources available for transportation improvements
 - Approximately \$6.4 billion of toll revenue bond proceeds
 - Potential to generate more than \$3.4 billion of net revenue after debt service
 - No diversion of state or federal funding for capital costs
- Allocates development and operating risks to private sector

works

Well Defined and Reasonable

- Detailed cost estimates and schedule
- Full disclosure of toll revenue assumptions
- Conventional debt structure
- Toll operations paid prior to debt service
- Potential for reimbursement of VDOT maintenance expenses

works

Proposal Demonstrates Financial Feasibility

- Equitable toll strategy allocates cost among all beneficiaries
- Electronic toll collection facilitates free local use and discounts for frequent users
- Reasonable toll schedule and rates

	Cars	Trucks
Prior to January 2012	No Tolls	No Tolls
2012 and 2013	2.5 cents per mile	8.5 cents per mile
2014	5 cents per mile	17 cents per mile

- Strong credit features on initial transaction ensure market access
- Several options (TIFIA, bond insurance) for enhancing second bond issue and lower toll rates
- No reliance on future state or federal funds

works

Financing Strategy for Rail Improvements Validated

- Direct loan under Railroad Rehabilitation and Improvement Finance (RRIF)
 program finances initial improvements
- Framework established for development and financing of other rail initiatives

Innovative Approach to Enhancing Commercial Parking

- Proceeds from taxable project revenue bonds used to enhance and expand parking capacity
- Accelerated financing option for IdleAire Advanced Truck Stop Electrification Technology

I-81

summary

- The Fluor Plan works for the people of Virginia:
 - Puts safety first
 - Offers a practical and cost-effective solution
 - Minimizes environmental disruption
 - Rail solution removes 500,000 trucks a year from I-81
 - Assembles a team that can deliver the job
 - Achieves earliest project completion
 - Provides an equitable and deliverable finance plan
 - Not dependent on any government subsidies

questions and answers

